



ORIGINAL

POLREP 22
12th Street Dump Site
(aka 12th Street Landfill Site)
Near 12th Street ramp to I-495
Wilmington, DE 19802

ATTN: RRC

cc: A. Breslin
P. Welsh
Wilmington Council
G. Giles

I. SITUATION (as of 27 October 2000)
Event: CERCLA Removal Action

- A. Erosion and sedimentation control facilities continue to function properly. Siltation fencing has held, all drainage enters the sedimentation pond, and pond water remains clear. No erosion from the site has been observed. Stockpiled soil now onsite is secured by compaction of surface.
- B. START continues air monitoring for total respirable dust in air. Analytical results indicate concentrations far below risk based concentrations (0.00-0.02 mg per cubic meter).
- C. As a result of discovering oily material along the creek bank near the north end of the site, OSC Towle instructed ERRS to excavate a series of test pits in an attempt to identify the source of contaminants. The test pits indicate that the oily material is emanating from somewhere near the north end of the site; however, a specific source has not yet been identified (likely behind the seawall, though). After discussing the situation with DNREC representatives, OSC Towle continues to investigate the area near the sea wall as a potential source. ERRS removed oily soil from near the sea wall and packed clean backfill into the area to stop the ongoing discharge. The removal remedy cannot be completed until the source of oil is known, and the discharge is addressed.
- D. Based upon the detection of contaminated groundwater seeping from the creek bank, the OSC will task START with the preparation of an EE/CA for the site in order to assist the OSC and DNREC with the determination of potential need for future remedies at the site, and an evaluation of the permanence of the removal-installed remedy.

E. Estimated Project Costs (as of 27 October 2000):

ORGANIZATION	COSTS TO DATE	CEILING
ERRS (Guardian)	\$ 1,055,457	\$2,070,000
START (Weston/TtEMI)	\$ 36,955	\$ 120,000
EPA	\$ 66,881	\$ 240,000
Unallocated	-----	<u>103,000</u>
TOTAL	\$ 1,159,293	\$2,533,000

I. ACTIONS

- A. ERRS received a total of 641 truckloads of backfill material (approximately 13,675 tons) to be used in site capping operations; the backfill has been staged in two areas onsite for future distribution and grading operations at the site. In addition, ERRS received and temporarily staged the articulating concrete blocks (ACBs) to be used for stabilization of the new creek bank in the tidal zone.
- B. ERRS excavated two test pits adjacent to the sea wall at the northern end of the site in an attempt to identify the source of oily material seeping from the creek bank near the sea wall along Brandywine Creek. Due to the presence of an electric line and a sump pump discharge line, the test pit behind the seawall could not be advanced to the suspected depth of the oily source. Two soil samples were collected by START and sent for laboratory analyses (VOCs, SVOCs, and oil fingerprinting). Results indicated the presence of low levels of xylene, while fingerprinting tests indicate that the material consists primarily of fuel oil #2 with a mixture of possibly kerosene, diesel fuel, and other old weathered materials. The source of the contamination has not yet been identified. Contaminated soil from the pits was staged on plastic for future characterization and disposal.
- C. After the owner removed fencing from state-owned property to allow for implementation of the EPA remedy, ERRS installed temporary fencing along the northeast side of the site in order to provide some measure of site security for this area.
- D. ERRS began distributing, grading, and compacting stockpiled backfill material along the creek bank in accordance with the site capping plan.
- E. ERRS installed an 8-inch PVC drainage pipe near the northern end of the site between the Norfolk Southern railroad right-of-way and Brandywine Creek as planned; the drainage pipe trench has been backfilled and compacted, and will be covered with additional backfill and graded in accordance with the site

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capping plan. The pipe is capped until the OSC coordinates with DNREC stormwater program, but was installed to facilitate capping operations.

- F. ERRS shipped 1 truck load of non-hazardous debris (approximately 7.25 tons of industrial hoses) from the site for disposal.

III. FUTURE ACTIONS

- A. ERRS to continue distributing and grading backfill material in accordance with the site capping plan; ERRS also to begin installing ACBs along bank of Brandywine Creek.
- B. Disposal of waste debris stockpiled onsite after proper sampling and waste classification.
- C. Extraction of sheet piling and preparation of Site for winter season.
- D. Investigation of the source of oily material discharging from the northern end of site to continue.
- E. EE/CA to be prepared for site.

Michael Towle, OSC
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